

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1 through 27 (cancelled)

Claim 28 (currently amended) An interlock circuit for use in a vehicle having an on-board power supply, a transmission gear selection device ~~shift-lever~~, and a parking brake, to prevent the operation of the vehicle when an auxiliary device is turned on or is in an operational state, the circuit comprising:

a microprocessor; and

a plurality of sensors operatively associated with said microprocessor for sensing various parameters, said sensors including a sensor for sensing when said auxiliary device is turned on or is in said operational state, a transmission gear selection device ~~shift-lever~~ sensor for sensing the position of the transmission gear selection device ~~shift-lever~~, and a parking brake sensor for sensing the position of the parking brake.

Claim 29 (previously presented) The interlock circuit of Claim 28, further

comprising a circuit for operating said microprocessor through the vehicle's power supply, said circuit including a step-down voltage regulator connected between said microprocessor and said power supply.

Claim 30 (previously presented) The interlock circuit of Claim 28, further comprising a filter circuit provided between at least one of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.

Claim 31 (previously presented) The interlock circuit of Claim 28, further comprising a filter circuit provided between each of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.

Claim 32 (currently amended) An interlock circuit for use in a vehicle having an on-board power supply, a transmission gear selection device ~~shift lever~~, a parking brake, and an auxiliary device, the interlock circuit being provided to prevent the operation of the vehicle when the auxiliary device is in a pre-selected certain operative state, the circuit comprising:

a microprocessor; and

at least one sensor for sensing when the auxiliary device is in a pre-selected state, wherein the circuit is adapted to prevent the transmission gear selection device ~~shift lever~~ from being shifted when the auxiliary device is in the pre-selected state.

Claim 33 (new) An interlock circuit for use in a vehicle having an on-board power supply, a transmission gear selection device, and a parking brake, to prevent the operation of the vehicle when an auxiliary device is turned on or is in an operational state, the circuit comprising:

an integrated circuit; and

a plurality of sensors operatively associated with said integrated circuit for sensing various parameters, said sensors including a sensor for sensing when said auxiliary device is turned on or is in said operational state, a transmission gear selection device sensor for sensing the position of the transmission gear selection device, and a parking brake sensor for sensing the position of the parking brake.

Claim 34 (new) The interlock circuit of Claim 33 wherein said integrated circuit is a microprocessor.

Claim 35 (new) The interlock circuit of Claim 34, further comprising a circuit for operating said microprocessor through the vehicle's power supply, said circuit including a step-down voltage regulator connected between said microprocessor and said power supply.

Claim 36 (new) The interlock circuit of Claim 34, further comprising a filter

circuit provided between at least one of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.

Claim 37 (new) The interlock circuit of Claim 34, further comprising a filter circuit provided between each of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.

Claim 38 (new) An interlock circuit for use in a vehicle having an on-board power supply, a transmission gear selection device, and a parking brake, to prevent the operation of the vehicle when an auxiliary device is turned on or is in an operational state, the circuit comprising:

an operations controller; and

a plurality of sensors operatively associated with said operations controller for sensing various parameters, said sensors including a sensor for sensing when said auxiliary device is turned on or is in said operational state, a transmission gear selection device sensor for sensing the position of the transmission gear selection device, and a parking brake sensor for sensing the position of the parking brake.

Claim 39 (new) The interlock circuit of Claim 38 wherein said operations controller is an integrated circuit.

Claim 40 (new) The interlock circuit of Claim 39 wherein said integrated circuit is a microprocessor.

Claim 41 (new) The interlock circuit of Claim 40, further comprising a circuit for operating said microprocessor through the vehicle's power supply, said circuit including a step-down voltage regulator connected between said microprocessor and said power supply.

Claim 42 (new) The interlock circuit of Claim 40, further comprising a filter circuit provided between at least one of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.

Claim 43 (new) The interlock circuit of Claim 40, further comprising a filter circuit provided between each of said sensors and said microprocessor for isolating said microprocessor from a voltage spike.